VASYUNINA, N.A.; BALANDIN, A.A.; MAMATOV, Yu.

Hydrogenolysis of xylitol. Part 2: Effect of promoters. Kin. i kat. 4 no.3:443-449 My-Je '63. (MIRA 16:7)

1. Institut organicheskoy khimii imeni Zelinskogo.
(Xylitol) (Hydrogenation) (Catalysis)

BARYSHEVA, G.S.; VASYUNINA, N.A.; CHEPIGO, S.V.

Preparation of anhydrohexitol by hydrogenation of levoglucosan.
Sbor.trud. NIIGS 11:94-101 '63. (MIRA 16:12)

VASYUNINA, N.A.; CHEPIGO, S.V.; BARYSHEVA, G.S.

Hydrolysis hydrogenation of hemicellulose. Sbor.trud.NIIGS 12:180-184 '64. (MIRA 18:3)

VASYUNTNA, N.A.; BALAN[illegible], A.A.; BALYCHEVA, G.S.; [illegible]

Hydrolytic hydrogenation of cotton cellulose. Zhur. prikl. khim. 37 no.12:2725-2729 D '64. (MIRA 18:3)

TOPIC TAGS: glycerine, glycol, [illegible], catalyst carrier

ABSTRACT: This Author's Certificate introduces a method for producing [illegible]

ASSOCIATION: none

VASYUN'KIN, M.; MAGNUSHEVSKIY, K.

Industrial cooperation of two enterprises. Sov.profsoiuzy 4 no.8: 60-62 Ag '56. (Moscow--Concrete) (MLRA 9:10)

VASYUN'KIN, P., buril'shchik.

Attachment for the PBS-110 boring machine. Mast. ugl.6 no.1:17-18 Ja '57. (MLRA 10:4)

1. Irsh-Borodinskiy ugol'nyy razrez kombinata Vostsibugol'.
(Boring machinery--Attachment)

VASYUN'KOV, A., polkovnik; RYNDIN, A., podpolkovnik

Antiaircraft battery in an airborne landing. Voen.vest. 43 no.10:89-91 O '63. (MIRA 16:12)

YAKYUHOV, I.Ye., inzhener.

Engineer Khabibulin's machine for unloading open freight cars. (Letter.)
Izobr.v SSSR 2 no.7:18-19 Ag '57.
(Railroad--Freight cars)
(Loading and unloading)

USSR / Microbiology. General Microbiology. Physiology and Biochemistry. F-1

Abs Jour: Ref Zhur-Biol., No 16, 1958, 71915.

Author : Yelin, V. L.; Yasyurenko, K. G.
Inst : Not given.
Title : Growth of Heterotrophic Bacteria in a Medium Without Organic Substances.

Orig Pub: Mikrobiol. zh., 1957, 19, No 2, 11-13.

Abstract: A suspension of Bacterium coli commune, Bact. pyocyaneum, and Bact. proteus vulgaris was poured into test tubes with a Vinogradskiy nitrification medium which contained no organic substances. After incubation at 37° in an atmosphere deprived of CO_2, a seeding was made of the test tubes' contents on nutrient agar plates and the number of colonies raised was counted.

Card 1/2

USSR / Microbiology. General Microbiology. Physiology and Biochemistry. F-1

Abs Jour: Ref Zhur-Biol., No 16, 1958, 71915.

Abstract: An increase in the number of cells was established in comparison with those entered in Vinogradskiy's medium; in addition, no oxidation of ammonia was observed with nitrites and nitrates. The increase in the number of cells also took place with the exclusion of ammonium sulfate from Vinogradskiy's medium. The conclusion is made that under test conditions the above-mentioned bacteria obtain the carbon and energy required by them from volatile organic substances in the air. -- V. Kalakutskiy.

Card 2/2

[illegible], V.L.; VASYURENKO, K.I.

Growth of heterotrophic bacteria in a medium without organic substances. Mikrobiol.zhur. 19 no.2:11-13 '57. (MLRA 10:9)

1. Z Kharkivs'kogo instituty vaktsin ta sirovatok im.Mechnikova
(PROTEUS VULGARIS, culture
silicate jelly medium)
(PSEUDOMONAS AERUGINOSA, culture
same)
(ESCHERICHIA COLI, culture
same)
(CULTURE MEDIA
silicate jelly for culture of E.coli, Proteus vulgaris & Pseudomonas aeruginosa)

YELIN, V.L.; VASYURENKO, K.I.

Assimilation of organic substances from the air by heterophilic bacteria as asole source of carbon and energy [with summary in English]. Mikrobiologiia 27 no.6:709-713 N-D '58. (MIRA 12:1)

1. Khar'kovskiy institut imeni I.I. Mechnikova.
(BACTERIA,
assimilation by heterophilic bact. of organic substances from air as only source of carbon (Rus))
(CARBON,metab.
same)

VASYURENKO, K. I.

USSR/Medicine - Typhoid Nov 53

"The Acquired Immunization Reactivity of Carriers of Typhoid and Paratyphoid Bacilli," D. G. Manolov, K. I. Vasyurenko, Yu. V. Chebotareva, Kar'kov Inst of Epidem and Microbiol im Mechnikov

Zhur Mikro, Epid, i Immun, No 11, p 70

Immunization with autovaccine of 5 carriers of typhoid microbes and one carrier of paratyphoid B microbes did not increase the agglutinin titer of the blood or sterilize the carriers. The results were similar on rabbits serving as models for typhoid carriers. The refractory reaction to

271T54

immunization must have been due to excessive irritation caused by antigens present in the body as a result of continuous activity of the causative factor.

271T54

GEL'FMAN, A.Ya.; VASYURENKO, V.V.

Apparatus for the measurement of solutions of radioactive isotopes. Vest.rent. i rad. 34 no.4:68-69 Jl-Ag '59. (MIRA 12:12)

1. Iz izotopnoy laboratorii (zav. - dotsent A.I. Il'yevich) Khar'kovskogo instituta meditsinskoy radiologii (dir. - dotsent Ye.A. Bazlov).

(RADIOMETRY equipment & supply)

S/118/61/000/001/001/005
A161/A133

AUTHORS: Makeyev, G.F., Engineer; Vasyushkin, V.V., Technician

TITLE: Automated ring furnaces control in wheel rolling shop

PERIODICAL: Mekhanizatsiya i avtomatizatsiya proizvodstva, no. 1, 1961, 19-21

TEXT: The ring furnaces for the heating of billets prior to rolling and of wheels prior to hardening at the Nizhne-Tagil'skiy metallurgicheskiy kombinat im. V.I. Lenina (Nizhniy Tagil Metallurgical Combine im. V.I. Lenin) have a rotary hearth and two windows with gates. The charging machines on the hearth level are working on direct current. The control was effected from separate control stations for each furnace. The Central Automation Laboratory of the Combine together with wheel shop technicians tested two different remote control communication channels between the loading machine and the furnace controls: a non-contact ultra-short wave channel, and a contact channel with an auxiliary trolley. The carrier frequency of the non-

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A161/A133

Automated ring furnaces control ...

contact channel was 40.9 Mc, which corresponds to a 7.33 m wavelength. The number of signals was four, transmitted with audio frequencies of 960, 1,100, 1,300 and 1,700 cycles. On repair days in the shop the reception was clear for a long time, but in work days the electric drives and machines caused interferences and false operations. Besides, the passing overhead cranes reduced the signals. The complexity of the system, the absence of alternating current on the charging machine and the lack of noiseproof feature made it expedient to choose the contact channel. Since five individual trolleys for each command were not possible, all five necessary commands had to be transmitted by one channel. The problem was solved by the polar-amplitude principle, which was achieved by semiconductor diodes and resistors producing two amplitudes of one polarity and two of the other. The fifth command is obtained by grounding the communication trolleys. It was possible to place them parallel to the rails head on the charging machine platform. A trolley voltage of 12 v was chosen for safety, and transistor amplifiers used after the trolleys. An intermediate amplifier works as follows (see diagram). If the switch (УП-2) on the charging machine is set on "foreward", a 3-volt current will flow into the transformer winding (II) and 220-ohm resistor. The

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A161/A133

Automated ring furnaces control ...

capacitor connected parallel to this resistor will be simultaneously charged. This voltage will oppose the opposite positive voltage. The potentials on the transistor bases in relation to the emitters will be: on the 1П3 (1P3) transistor ±0.8-3 v =-2.2 v; on the 2П3, +3 v - 2.2 v = +0.8 v, where +0.8 and +3 v is the opposite voltage on the corresponding bases of the 1П3 and 2П3 transistors, produced by the winding (IV) of the intermediate amplifier transformer. Thus, the 1П3 transistor is open and P11 relay is pulled in, and the 2П3 transistor is closed and the P12 relay off. When the УП-2 (UP-2) switch is moved into position "backward", the voltage on the 220-ohm resistor will be 13 v. The transistors base voltage is now: on the 1П3, +0.8 - 13 v = 12.2 v, and on the 2П3, +3 v -12.2 = -9.2 v. Both transistors will be open and the P11 and P12 relays pulled in. The second half of the amplifier receiving commands from УП-3 and КУ-1 (KU-1) works likewise, but the current in the communication trolley flows in the other direction, i.e., from the winding (III) of the transformer, and two other commands are transmitted by the trolley. When transmitting four commands, the output relays of the amplifier will operate in the following way: command I - the relay P11 is pulled in; II - P11 and P12; III - P13; IV - P13 and P14. The fifth command is produced by artificial grounding of the trolley (КУ-2). All the ampli-

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fier output relays, P11-P14, pull in simultaneously thus disconnecting the KA coil circuit. The intermediate amplifier can transmit two commands at a time, producing opposite currents in the line. They will not be compensated because the current flows in different half-cycles. The PPB relay is connected to the communication trolley No.3 through the intermediate amplifier ПУ-3, and it pulls in when the circuit on the charging machine is closed through УП-3. The ПЗВ (PZV) transistors are operating without overheat. The remote control can be operated in three different ways: manual operation from the charging machine, automatic and manual operation from the furnace operator's place. The remote control consists of a control panel on the charging machine with command keys and push-buttons, and communication trolleys receiving commands (pulses) from the charging machine through a brush collector. There are three trolleys for each furnace, two of them for all commands at corresponding windows and the third (that is beside the communication trolley at the output window) for the counting of billets moving out. This trolley has a separate command amplifier. When the charging machine is at a window, automatic control is switched on by the КУ-1 push button, the rotation of the furnace hearth by the УП-2 key ("foreward" or "backward"), the window gate lifting by the УП-3 key (and lowering, by releasing the key).

Automated ring furnaces control ... S/118/61/000/001/001/005
A161/A133

The RY-2 push button disconnects the automatic control circuit. The work at the output window is the same as at the input, however, the brush collector contacts trolley No.3 giving the command for the count relay, since the furnace hearth must turn after discharging two or three billets. The angle through which the hearth turns is determined by an electronic time relay (the turn can also be limited by a way switch). The remote control system has been provided for four ring furnaces. The control operators are eliminated. The annual economy amounts to 200 thousand roubles. There is 1 figure.

Card 5/8

VASYUTA, F.

Use of the E-4004 electric loader in the sausage plant. Mias.ind.SSSR 33 no.5:51 '62. (MIRA 15:12)

1. Kuybyshevskiy myasokombinat.
(Meat industry—Equipment and supplies)

VASYUTA, I.

Three methods of drift mining with slab entry. Mast. ugl. 7 no.3:3-4 Mr '58. (MIRA 11:3)

1.Pomoshchnik glavnogo inzhenera shakhty No. 2-7 kombinata Stalinugol'.

(Coal mines and mining)

SEREGIN, Ivan Nazarovich; ANUFRIYEV, Viktor Ivanovich; IVANOV, Fedor Mikhaylovich. Prinimali uchastiye: VASYUTA, L.G.; VALYUS, V.M.; VOROB'YEVA, K.G.; ZHAROVA, Ye.P.; NEFEDOVA, Ye.F.; IVANTEYEVA, N.I.; ZUBKOVA, M.S., red.; DONSKAYA, G.D., tekhn.red.

[Injection into channels with stressed reinforcements] In"ektirovanie kanalov s napriazhennoi armaturoi. Moskva, Nauchno-tekhn. izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog, 1960. 23 p. (MIRA 13:4)

1. Gosudarstvennyy Vsesoyuznyy dorozhnyy nauchno-issledovatel'skiy institut (SOYUZDORNII) (for Vasyuta, Valyus, Vorob'yeva, Zharova, Nefedova, Ivanteyeva).
(Bridges, Concrete)

BUSLAYEV, M.A.; VASYUTA, Yu.S.

Final stage in the liquidation of malaria in the R.S.F.S.R. Med. paraz.i paraz.bol. 37 no.5:518-522 S-O '59. (MIRA 13:4)

1. Iz Glavnogo sanitarno-epidemiologicheskogo upravleniya Ministerstva zdravookhraneniya RSFSR (nachal'nik upravleniya N.S. Titkov).

(MALARIA prev. & control)

VASYUTA, Yuriy Stepanovich; FEDOROVA, T.V., red.; LYUDKOVSKAYA, N.I., tekhn.red.

[Dysentery] Dizenteriia. Moskva, Gos.izd-vo med.lit-ry Medgiz, 1960. 19 p. (MIRA 14:3)

(DYSENTERY)

VASYUTA, Yu.S.

Malaria foci in the R.S.F.S.R. in 1959. Med.paraz.i paraz.bol. no.3:289-291 '61. (MIRA 14:9)

1. Iz Glavnogo sanitarno-epidemiologicheskogo upravleniya Ministerstva zdravookhraneniya RSFSR.
(MALARIA)

VASYUTA, Yu.S.

Medical consultation. Fel'd. i akush. 28 no.2:56-57 F'63. (MIRA 16:9)

1. Starshiy epidemiolog Ministerstva zdravookhraneniya RSFSR.
(ALIMENTARY CANAL--DISEASES) (ALCOHOLISM)

VASYUTA, Yu.S.

Epidemiology of hemorrhagic fever with a renal syndrome in the R.S.F.S.R. Zhur.mikrobiol., epid.i immun. 32 no.12:49-56 D '61. (MIRA 15:11)

1. Iz Glavnogo sanitarno-epidemiologicheskogo upravleniya Ministerstva zdravookhraneniya RSFSR.

(HEMORRHAGIC FEVER)

ASHKINAZI, M.I.; VASYUTA, Yu.S.

Efficient use of standard tanks in a gas equalizing system. Transp. i khran. nefti pt. c no.2:21-26 '63. (MIRA 17:10)

1. Dnepropetrovskiy inzhenerno-stroitel'nyy institut i Vsesoyuznyy nauchno-issledovatel'skiy institut po stroitel'stvu magistral'nykh truboprovodov.

VASYUTA, Yu.S.

Some problems of the epidemiology of hemorrhagic fever with renal syndrome in the R.S.F.S.R. Med. paraz. i paraz. bol. 32 no.5:618-619 S-O'63 (MIRA 16:12)

1. Iz Glavnogo sanitarno-epidemiologicheskogo upravleniya Ministerstva zdravookhraneniya RSFSR.

ACC NR: AP6021600 (N) SOURCE CODE: UR/0402/66/000/003/0379/0382

AUTHOR: Vasyuta, Yu. S.; Zhukov, V. I.

ORG: none

TITLE: Interprovincial conference on the study and prophylaxis of Omsk fever in the Ural and middle Volga regions

SOURCE: Voprosy virusologii, no. 3, 1966, 379-382

TOPIC TAGS: human ailment, disease diagnosis, Omsk fever, therapeutics, VIROS DISEASE

ABSTRACT:
On 20—21 September 1965 in Ufa, the Institute for Poliomyelitis and Viral Encephalitis diseases of the Academy of Medical Sciences SSSR sponsored a conference on renal hemorrhagic fever (Omsk fever), in which participants from that and other institutes took part. General clinical and epidemiological reports were presented, along with an analysis of the 1964—65 outbreak. The need for interprovincial cooperation was stressed, especially in the area of rodent vector control, since the 1964-65 outbreak was connected with the presence of an unusually large number of ectoparasites that year. It was evident from the reports that the

Card 1/2 UDC: 616.61-002.151(063) (470.4-358:470.5) <<1965>>

ACC NR: AP6021600

Volga type of the disease was milder than the Siberian form. N. I. Kandybin reported successful use of Isachenko 51 and 70 bacterial strains in controlling rodent populations, by infecting them with murine typhus. [WA-50; CBE No. 11]

SUB CODE: 06/ SUBM DATE: none

Card 2/2

VASYUTIN, A.A.

Incubating waterfowl eggs at the Krasnyy Liman Hatchery. Ptitsevodstvo 8 no.3:20-21 Mr '58. (MIRA 11:2)

1. Zavoduyushchiy tsekhom inkubatsii Krasnolimanskoy inkubatorno-ptitsevodcheskoy stantsii, Stalinskoy oblasti.
(Krasnyy Liman District--Incubation)
(Ducks) (Geese)

137-1958-3-4755

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 41 (USSR)

AUTHORS: Moyseyevich, S. I., Vasyutin, F. P., Polyvyannyy, G. Z.

TITLE: Purification of Blast Furnace Gas in Scrubbers Without Extension Elements Equipped With Spiral Nozzles for Multistage Spraying (Ochistka domennogo gaza v beznasadochnykh skrubberakh s mnogoyarusnym orosheniyem spiral'nymi soplami)

PERIODICAL: Sb. statey po energetike. Moscow, Metallurgizdat, 1957, pp 165-182

ABSTRACT: The process of crude purification of blast furnace gas was investigated in scrubbers with chord-type extension elements and with a closed water circulation system It is established that the spraying nozzles and the extension elements of the scrubber become clogged rapidly owing to the decreased stability of water and to the poor solubility of Ca salts in water. The authors describe the successful operation of a new redesigned scrubber without any extension, equipped with multi-stage spraying accomplished by means of spiral nozzles which are arranged along the passage of the gas; the new scrubber is employed in in the purification of gases under low and high pressures. Oper-

Card 1/2

137-1958 3 4756

Purification of Blast Furnace Gas (cont.)

ational results of the employment of the scrubber in the purifi-
cation of gas during the melting of Fe-Si and converter pig
iron are shown.

L. Kh.

Card 2/2

Vasyutin, F.P.

130-3-3/21

AUTHORS: Vasyutin, F.P., Dement'yev, V.M., Klempner, K.S., and Machkovskiy, V.A.

TITLE: Signalling Device for the Limiting Level of Water in a Scrubber. (Signalizator predel'nogo urovnya vody v skrubbere).

PERIODICAL: Metallurg, 1958, No.3, pp.6-7 (USSR).

ABSTRACT: The authors briefly discuss methods of fixing the level of water in the high-pressure scrubber beyond the dry dust catchers of blast furnaces. They give two examples, a self-flushing type (Fig.1) and one with a float-operated valve (Fig.2). Both systems are unreliable because of pressure variations (especially when furnaces are operating at high top pressure) and the latter also because of corrosion and scaling. The authors go on to give a brief account of a radiation method for indicating water level in the scrubber, in which a radioactive source (cobalt) and a detector are so arranged on opposite sides of a float chamber that when the water reaches the appropriate level it cuts off an appreciable proportion of the radiation to the detector; a system of relays then causes an alarm to operate. The radioactive source is contained in a special container which

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Signalling device for the limiting level of water in a scrubber. 13-3-3/21

can easily be replaced. The system is recommended for determining dust levels in dust bags and for incorporation in an automatic two-position water-level regulator for scrubbers.
There are 4 figures.

ASSOCIATION: Makeyevka Metallurgical Works
(Makeyevskiy Metallurgicheskiy Zavod).

AVAILABLE: Library of Congress.

Card 2/2

VASYUTIN, I.

TA 28/49T19

USSR/Engineering Oct 48
Vulcanizing Equipment
Vulcanizing Machines

"To Improve the Construction of Vulcanizing Apparatus," I. Vasyutin, 1 p

"Avtomobil'" No 10

Points out several shortcomings of the Fleming and U6-2 type vulcanizing equipment. Main objection is that it burns the rubber. Makes recommendations for desirable equipment, and suggests that someone do something about it.

FDB 28/49T19

NEVZGODIN, A.Ye.(Orel); VASYUTIN, M.P. (Orel)

Railroad division striving for an honorable title. Put' i put.khoz. 4 no.1:5-7 Ja '60. (MIRA 13:5)

1. Nachal'nik Orlovskoy distantsii Moskovskoy dorogi (for Nevzgodin). 2. Sekretar' partiynoy organizatsii Orlovskoy distantsii puti Moskovskoy dorogi (for Vasyutin).
(Orel District--Railroads)

GREBENNIK, Georgiy Ivanovich; VASYUTIN, Nikolay Dmitriyevich; GENKIN, Arkadiy Lazarevich; STOLBOV, Gennadiy Radionovich; ZUBOV, Vladimir Osipovich; LETUCHIY, Nikolay Vasil'yevich; GORODETSKIY, Vladimir Il'ich; YESYUNIN, Boris Stepanovich; RENSKAYA, T.A., red.; SKOBELING, L.V., red. izd-va; LAVRENOVA, N.B., tekhn. red.

[Operating DR-30/50 engines on ships of the Caspian Ship Line] Opyt ekspluatatsii dvigatelei DR-30/50 na sudakh Kaspiiskogo parokhodstva. Moskva, Izd-vo "Morskoi transport," 1961. 50 p. (MIRA 14:10)
(Marine diesel engines)

VASYUTIN, V., professor.

Comprehensive development of economic regions. Vop.ekon. no.4: 55-63 Ap '57. (MLRA 10:5)

1.Institut ekonomiki AN SSSR.
(Russia--Economic policy)

ALAMPAYEV, P.; VASYUTIN, V.; DZERVE, P.; KOLOTIYEVSKIY, A.; PURIN, V.; ROSTOVTSEV, N.; FEIGIN, Ya.

F.IU. Deglav; obituary. Izv. AN SSSR. Ser. geog. no.6:178 N-D '57. (Deglav, Fritsis IUr'evich, 1898-1957) (MIRA 11:1)

SOV-10-58-4-28/28

AUTHORS: Vasyutin, V., Dzerve, P., Kolotiyevskiy, A., Purin, V., and Feygin, Ya.

TITLE: Nikolay Aleksandrovich Kovalevskiy (Deceased)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geograficheskaya, 1958, Nr 4, pp 155 - 156 (USSR)

ABSTRACT: This is an obituary of N.A. Kovalevskiy, Academician of the Latvian Academy of Sciences, Professor, Doctor of Economic Sciences. There is one photograph.

1. Scientific personnel--USSR

Card 1/1

USCOMM-DC-55793

VASYUTIN, Vasilii Filippovich, 1900- ed.

Questions of economic geography; a collection of articles. Moskva, Sotsekgiz, 1934.
240 p. (51-45623)

HF1025.K6

BAUZAK, S. S., V. P. VASIUTIN and IA.G. FEIGIN, eds. Ekonomicheskaia geografiia SSSR. Dopushcheno VKVSh pri SNK SSSR v kachestve uchebnika dlia ekonomicheskikh vuzov. v. 1 (408 p.); v. 2 (892p.). v. 1 by IA.G. Feigin, P.I. Kudlenok, B.L, Markus and others; v. 2 by IA.G. Feigin, L.V. Opatskii, M.M. Galitskii and others. Moskva, Sotsekgiz, 1940. 2 v. (AN SSSR. Institut ekonomiki)

SO: LC, Soviet Geography, Part I, 1951; Uncl.

VASYUTIN, VASILIY FILIPPOVICH.

VASIUTIN, VASILII FILIPPOVICH.
SSSR v 1950 godu; razvitie i gergraficheskoe razmeshchenie proizvoditel'nykh sil SSSR v novoi piatiletke. Moskva, Gosizdat, 1947. 95 p.
(V pomoshch' lektoru) DLC: HC335.V36

SO: LC, Soviet Geography, Part I, 1951, Uncl.

VASYUTIN, V.F.

GROGPR'YEV, A.A., akademik, redaktor; VASYUTIN, V.F., professor, redaktor; POMUS, M.I., redaktor

[Komi-Permyak National Area] Komi-Permiatskii natsional'nyi okrug. Moskva, Izd-vo Akademii nauk SSSR, 1948. 431 p. [Microfilm] (MLRA 7:10)

1. Akademiya nauk SSSR. Institut geografii.
(Komi-Permyak National Area)

VASYTIN, V. F.

"Organization & Methods of Studying Problems Relating to Economic Sciences," Izvestiya Akad. Nauk, Otdel. Ekon. & Prava, No. 6, 1949

For abstract see M-3558, 6 Mar 50

14701 **Economic Geography of the USSR.** S. S. Balzak, V. F. Vasyutin, and Ya. G. Feigin, editors. 620 pages. 1949. Macmillan Co., New York. (HC335 B21etr)

Presents a comprehensive survey on the above. Main topics are: natural conditions and natural resources of the USSR; the distribution of productive forces in Tsarist Russia; problems in the distribution of the productive forces of the USSR; population and its distribution; distribution of industry; distribution of agriculture; and the distribution of transport. Numerous maps and tables. Includes a list of abbreviations, a transliteration table, and a glossary of Russian terms.

VASYUTIN, V. F.

Economic geography of the USSR. Edited by S.S. Balzak, V.F. Vasyutin, and Ya. G. Feigin. New York, Macmillan, 1949

xiv, 620 p. charts, maps, tables. (American Council of Learned Societies. Russian Translation Project.)

Translated from the original Russian: Ekonomicheskaya geografiya SSSR.

Bibliography: p. 557-566.

VAZYUTIN, V. F.

"The Organization and Methods of Research on the Joint-Rayon People's Economic Problems," a report at a meeting of the Department of Economics, Philosophy & Law.

Izvestiya Akad. Nauk, Otdel. Ekon. & Prava, 13, May-June 56, p. 179

ASHNTIN, V. F.

"The Great Building of Communism," Izvestiya Akad. Nauk, Otdel. Ekon. i Prava, #1, Jan-Feb 1951, p. 7.

VAZYUTIN, V. F.

"Pertaining to the Question About the Bases of Distribution of Socialist Production," a report given at the Conference on the Co-ordination of the Institutes of Sectors and Sectors of Economics of the Academy of Sciences and Union Republic Academy of Sciences.

Izvestiya Akad. Nauk, Otdel. Ekon. & Prava, #2, Mar-Apr 51, p.132

VAZYUTIN, V. F.

"Principles of Socialist Production," a paper presented at the Institute of Economics second conference on coordinating research of the Union and Republic Academy of Sciences in the field of economics.

Voprosy Ekon., No. 4, 1951

See W-19789, 2 Oct 51

ROZIN, M.S.; ORLOVA, Ye.V.; PERVUSHNIN, S.A.; SYROVA, Ye.I.; BORISEVICH, N.V., redaktor; [redacted] V.F., redaktor; SMIRNOVA, V.I., redaktor; SEMENOVA, M.V., redaktor; BORISOV, A.S., tekhnicheskikh redaktor.

[Mineral resources of the United States] Mineral'nye resursy Soedinennykh Shtatov Ameriki. Moskva, Gos. izd-vo geol. lit-ry, 1952. 407 p. (Mineral'nye resursy zarubezhnykh stran, no. 20). (MLRA 9:5)

(United States--Mines and mineral resources)

VASYUTIN, V.

Main Turkmen Canal

The coming day of the Turkmen Canal. Tekh. molod., No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.

VASYUTIN, V.F.

ALEKSANDROVA-ZAORSKAYA, V.V.; ARNOL'D, V.S.; ADAMCHUK, V.A.; BARANSKIY, N.N.; BARDIN, I.P.; VASYUTIN, V.F.; VITYAZEVA, V.A.; GORDONOV, L.Sh.; DOLGOPOLOV, K.V.; ZENKOVA, Z.A.; NEMCHINOV, V.S.; OBRUCHEV, V.V.; RYAZANTSEV, S.N.; SOKOLOV, A.V.; STEPANOV, P.N.; CHERDANTSEV, G.N.

A.M.Volkov; obituary. Izv. AN SSSR Ser.geog. no.6:106-107 N-D '54. (Volkov, Aleksandr Mikhailovich, 1890-1954) (MLRA 8:3)

VASYUTIN, V.F.

Principles of the location of socialist industry and tasks of economic geography. Izv.AN SSSR. Ser.geog. no.3:25-33 My-Je '55. (MIRA 8:9)

(Industries, Location of) (Geography, Economic)

VASYUTIN V.F.

AVRAAMOVA,A.A.; ALAMPIYEV,P.M.; BADIR'YAN,G.G.; BORODIN,I.A.; VASYUTIN, V.F.; GUBER,A.A.; GURARI,Ye.L.; DANILOV,A.D.; DEREVYANKO,P.A.; YELSUKOV,M.P.; KOLOSKOV,P.I.; LAPTEV,I.D.; LEONT'YEV,N.F.; PECHNI-KOV,A.M.; PROKHOROV,A.I.; RUDENKO,N.A.; CHERDANTSEV,G.N.; YAKIMOV,A.T.

P.V.Pogorel'skii; Obituary. Izv.AN SSSR. Ser.geog. no.3:94-95 My-Je '55. (MLRA 8:9)

(Pogorel'skii, P.V., 1899-1955)

VASYUTIN, V.F.

Distribution of productive forces of the U.S.S.R. in the sixth five-year plan and tasks of economic geography. Izv.AN SSSR.Ser.geog.no.4: 60-75 Jl-Ag '56. (MLRA 9:10)
(Russia--Economic policy) (Geography, Economic)

VASYUTIN, V.F., professor.

Distribution of productive forces of the U.S.S.R. in the sixth five-year plan. Nauka i zhizn' 23 no.6:1-4 Je '56. (MLRA 9:9)

(Russia--Economic policy)

VASYUTIN, V.F., prof., otvetstvennyy red.; SLAVIN, S.V., doktor ekon.nauk, red.; VILENSKIY, M.A., kand.ekon.nauk, red.; PUZANOVA, V.F., nauchnyy sotrudnik, kand.geograficheskikh nauk, red.; SHENKMAN, B.I., red.izd-va; POLYAKOVA, T.V., tekhn.red.

[Problems in the development of industry and transportation in Yakutia] Problemy razvitiia promyshlennosti i transporta Iakutskoi ASSR, 1958. 458 p. (MIRA 11:6)

1. Akademiya nauk SSSR. Institut ekonomiki.
(Yakutia--Industries)
(Yakutia--Transportation)

9(5) SOV/10-59-2-27/29

AUTHORS: Alampiyev P.M., Bedrintsev K.N. Yacyutin V.I., Gerasimov I.P., Gurari Ye.L., Dzhanalov C.D., Zaorskaya-Aleksandrova V.V., Kurzayev E.M., Nikishov M.I., Preobrazhenskiy A.I., Feygin Ya.G.

TITLE: Gleb Nikanorovich Cherdantsev (1885-1958)

PERIODICAL: Izvestiya Akademii nauk, SSSR, Seriya geograficheskaya, 1959, Nr 2, p 159 (USSR)

ABSTRACT: This article has been written in commemoration of the Academician of the AS Uzbek SSR, Doctor of Economic Sciences, Gleb Nikanorovich Cherdantsev, who died on 5 December 1958. The scientist was one of the senior professors of the Moskovskiy institut inzhenerov geodezii, aerofotos''yemki i kartografii (Moscow Institute of Engineers of Geodesy, Air Survey and Cartography). He published more than 100 scientific articles and some books.

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SOV/10-59-2-27/20

Gleb Nikanorovich Cherdantsev (1885-1958)

For many years the scientist also worked in the field of national-economic planning and economic districting. He took special care in the economic development of the republics of Central Asia. He was elected Associate Member, and later on Academician of the AS Uzbek SSR. In recognition of his merits as teacher and scientist, Cherdantsev was awarded the Lenin Order.

Card 2/2

ROSTOVTSEV, N.F., akademik, glavnyy red.toma; SOKOLOV, N.S., prof., red. toma; LETUNOV, P.A., kand.geol.-mineral.nauk, red.toma; KUZMICHEV, A.V., kand.biolog.nauk, red.toma; KRYLOV, P.A., kand.biolog.nauk, red.toma; RUZSKAYA, Ye.A., kand.biolog.nauk, red.toma; CHEMBER, B.Ye., kand.biolog.nauk, red.toma; BARDIN, I.P., akademik, glavnyy red. [deceased]; LAVRENT'YEV, M.A., akademik, red.; VOL'FKOVICH, S.I., akademik, red.; DIKUSHIN, V.I., akademik, red.; NEMCHINOV, V.S., akademik, red.; VEYTS, V.I., red.; LEVITSKIY, O.D., red.; NEKRASOV, N.N., red.; PUSTOVALOV, L.V., red.; KHACHATUROV, T.S., red.; POPOV, A.N., red.; GRAFOV, L.Ye., red.; GASHEV, A.D., red.; YASYUTIN, V.F., prof., red.; PROBST, A.Ye., prof., red.; KROTOV, V.A., prof., red.; VASIL'YEV, P.V., doktor ekonom.nauk, red.; LYUDOGOVSKIY, G.I., kand.tekhn.nauk, red.; SHKOL'NIKOV, M.G., kand.ekonom.nauk, red.; KLYUSHKIN, P.A., red.izd-va; DOROKHINA, I.N., tekhn.red.

(Continued on next card)

ROSTOVTSEV, N.F.---(continued) Card 2.

[Development of the resources of Eastern Siberia: agriculture] Razvitie proizvoditel'nykh sil Vostochnoi Sibiri: Sel'skoe khoziaistvo. Moskva, Izd-vo Akad.nauk SSSR, 1960. 426 p. (MIRA 13:6)

1. Konferentsiya po razvitiyu proizvoditel'nykh sil Vostochnoy Sibiri. 1958, Irkutsk. 2. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Rostovtsev). 3. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Sokolov). 4. Chleny-korrespondenty AN SSSR (for Veyts, Levitskiy, Nekrasov, Pustovalov, Khachaturov). 5. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Popov). 6. Zamestitel' predsedatelya Gosplana RSFSR (for Grafov). 7. Chlen Gosplana RSFSR (for Gashev).

(Siberia, Eastern--Agriculture)

BARDIN, I.P., akademik, glavnyy red. [deceased]; KHACHATUROV, T.S., otv. red.toma; SMIRNOV, A.P., zam.otv.red.toma; VERKHOVSKIY, I.A., red. toma; NEKRASOVA, R.I., red.toma; TSENIN, S.S., red.toma; LAVRENT'YEV, M.A., red.; VOL'FKOVICH, S.I., red.; DIKUSHIN, V.I., red.; NEMCHINOV, V.S., red.; VEYTS, V.I., red.; LEVITSKIY, O.D., red.; NEKRASOV, N.N., red.; PUSTOVALOV, L.V., red.; ROSTOVTSEV, N.F., akademik, red.; POPOV, A.N., red.; GRAFOV, L.Ye., red.; GASHEV, A.D., red.; PROBST, A.Ye., prof., red.; VASYUTIN, V.F., prof., red.; KROTOV, V.A., prof., red.; VASIL'YEV, P.V., doktor ekonom.nauk, red.; LYUDOGOVSKIY, G.I., kand. tekhn.nauk, red.; LETUNOV, P.A., kand.geol.-miner.nauk, red.; SHKOL'-NIKOV, M.G., kand.ekon.nauk, red.; RODINA, Ye.D., red.izd-va; GUSEVA, A.P., tekhn.red.

[Transportation; proceedings of the Conference on the Development of Productive Forces of Eastern Siberia] Transport; trudy Konferentsii po razvitiiu proizvoditel'nykh sil Vostochnoi Sibiri. Moskva, Izd-vo Akad.nauk SSSR, 1960. 203 p. (MIRA 13:10)

(Continued on next card)

BARDIN, I.P.---(continued) Card 2.

1. Konferentsiya po razvitiyu proizvoditel'nykh sil Vostochnoy Sibiri, 1958. 2. Chleny-korrespondenty AN SSSR (for Khachaturov, Veyts, Levitskiy, Nekrasov, Pustovalov). 3. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Rostovtsev). 4. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Popov). 5. Zam.predsedatelya Gosplana RSFSR (for Grafov). 6. Chlen Gosplana RSFSR (for Gashev). 7. Institut kompleksnykh transportnykh problem AN SSSR (for Khachaturov, Verkhovskiy, Nekrasova, TSenin, Smirnov).

(Siberia, Eastern--Transportation)

BARDIN, I.P., akademik, glavnyy red. [deceased]; VOL'FKOVICH, S.I., akademik, otv.red.toma; UVAROV, G.V., red.toma; KOMAROV, V.P., dotsent, red.toma; LAVRENT'YEV, M.A., akademik, red.; DIKUSHIN, V.I., akademik, red.; NEMCHINOV, V.S., akademik, red.; VEYTS, V.I., red.; LEVITSKIY, O.D., red.; NEKRASOV, N.N., red.; PUSTOVALOV, L.B., red.; KHACHATUROV, T.S., red.; ROSTOVTSEV, N.F., akademik, red.; POPOV, A.N., red.; GRAFOV, L.Ye., red.; GASHEV, A.D., red.; PROBST, A.Ye., prof., red.; VASYUTIN, V.F., prof., red.; KROTOV, V.A., prof., red.; VASIL'YEV, P.V., doktor ekonom.nauk, red.; LYUDOGOVSKIY, G.I., kand.tekhn.nauk, red.; LETUNOV, P.A., kand.geol.-mineral.nauk, red.; SHKOL'NIKOV, M.G., kand.ekonom.nauk, red.; BANKVITSER, A.L., red. izd-va; BHUZGUL', V.V., tekhn.red.

[Chemical industry] Khimicheskaia promyshlennost'. Moskva, 1960. 202 p. (MIRA 13:7)

1. Akademiya nauk SSSR. Sovet po izucheniyu proizvoditel'nykh sil. Sibirskoye otdeleniye. 2. Chleny-korrespondenty AN SSSR (for Veyts, Levitskiy, Nekrasov, Pustovalov, Khachaturov). 3. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Rostovtsev). 4. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Popov). 5. Zamestitel' predsedatelya Gosplana RSFSR (for Grafov). 6. Chlen Gosplana RSFSR (for Gashev). 7. Zamestitel' predsedatelya Gosudarstvennogo komiteta Soveta Ministrov SSSR po khimii (for Uvarov).

(Chemical industries)

BARDIN, I.P., akademik, glavnyy red. [deceased]; NEKRASOV, N.N., otv. red.toma; SLAVIN, S.V., doktor ekon.nauk, red.toma; SHKOL'NIKOV, M.G., kand.ekon.nauk, red.toma; LAVRENT'YEV, M.A., akademik, red.; VOL'FKOVICH, S.I., akademik, red.; DIKUSHIN, V.I., akademik, red.; NEMCHINOV, V.S., akademik, red.; VEYTS, V.I., red.; LEVITSKIY, O.D., red.; PUSTOVALOV, L.V., red.; KHACHATUROV, T.S., red.; ROSTOVTSEV, N.F., akademik, red.; POPOV, A.N., red.; GRAFOV, L.Ye., red.; GASHEV, A.D., red.; PROBST, A.Ye., prof., red.; VASYUTIN, V.F., prof., red.; KROTOV, V.A., prof., red.; VASIL'YEV, P.V., doktor ekon.nauk, red.; LYUDOGOVSKIY, G.I., kand.tekhn.nauk, red.; LETUNOV, P.A., kand.geol.-mineral.nauk, red.; MAZOVER, Ya.A., red. izd-va; KASHINA, P.S., tekhn.red.

[Comprehensive regional and interregional problems; [conference reports]] Raionnye i mezhraionnye kompleksnye problemy; [trudy konferentsii]. Moskva, Izd-vo Akad.nauk SSSR, 1960. 190 p. (MIRA 14:1)

1. Konferentsiya po razvitiyu proizvoditel'nykh sil Vostochnoy Sibiri, 1958. 2. Chleny-korrespondenty AN SSSR (for Nekrasov, Veyts, Levitskiy, Pustovalov, Khachaturov). 3. Sovet po izucheniyu proizvoditel'nykh sil pri Prezidiume Akademii nauk SSSR (for Nekrasov, Shkol'nikov, Slavin). 4. Predsedatel' Soveta po izucheniyu proizvoditel'nykh sil pri Prezidiume AN SSSR (for Nemchinov). 5. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Rostovtsev). 6. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Panov). (Siberia, Eastern--Economic policy)

LARIONOV, K.A., doktor ekonom. nauk, prof.; GVOZDEV, A.M., kand. ekonom. nauk, ILYUKHINA, N.A., kand. ekonom. nauk; KOGAY, A.V., kand. ekonom. nauk; NIKOLAYEV, N.I., kand. ekonom. nauk; TSAPKIN, N.V., kand. ekonom. nauk, dots.; VASYUTIN, V.F., prof., red.; KOKOSHKO, A.G., red.; NAUMOV, K.M., tekhn. red.

[Planning the local economy and cultural development of a region] Planirovanie mestnogo khoziaistva i kul'turnogo stroitel'stva raiona; uchebnoe posobie. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1961. 382 p. (MIRA 14:11)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya shkola.
2. Kafedra sovetskoy ekonomiki Leningradskoy Vysshey partiynoy shkoly (for Larionov, Gvozdev, Ilyukhina, Kogay, Nikolayev, TSapkin).
(Russia—Economic policy) (Russia—Culture)

MIKHAYLOV, Stefan Vasil'yevich, Laureat Gosudarstvennoy premii, kand. ekon. nauk; VASYUTIN, V.F., retsenzent; MURIN, V.A., retsenzent; SMETANIN, K.A., kand. ekon. nauk, spetsred.; KOZDRIA, V.A., red.; SATAROVA, A.M., tekhn. red.

[Economics of the fishing industry of the U.S.S.R.]Ekonomika rybnoi promyshlennosti SSSR. Moskva, Pishchepromizdat, 1962. 288 p. (MIRA 15:12)

(Fisheries)

GERASIMOV, I.P., akademik; VASYUTIN, V.G., professor; DAVITAYA, F.F., professor KALESNIK, S.V.; SALISHCHEV, K.A., professor

[Problems in geography; a collection of articles for the 18th International Geographical Congress] Voprosy geografii; sobrnik statei dlia XVIIIgo Mezhdunarodnogo geograficheskogo kongressa. Moskva, Izd-vo Akademii nauk SSSR, 1956. 394 p. (MLRA 9:10)

1. Geograficheskoye obshchestvo SSSR. 2. Chlen-korrespondent AN SSSR (for Kalesnik)
(Geography)

USSR/Human and Animal Physiology (Normal and Pathological) T
Physiology of Work and Sport

Abs Jour : Ref Zhur Biol., No 6, 1959, 27163

Author : Vasyutina, A.I.

Inst : Academy of Pedagogical Sciences RSFSR

Title : The Change of Arterial Blood Pressure in School-Children after Competitive Sports and Training Exercises.

Orig Pub : Izv. Akad. ped. nauk RSFSR, 1958, vyp. 93, 15-46

Abstract : No abstract.

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USSR/Human and Animal Physiology (Normal and Pathological) T
Physiology of Work and Sport

Abs Jour : Ref Zhur Biol., No 6, 1959, 27170

Author : Vasyutina, A.I.

Inst : Academy of Pedagogical Sciences RSFSR

Title : On the Proprioceptive Sensitivity of Young Sportsmen.

Orig Pub : Izv. Akad. ped. nauk RSFSR., 1958, vyp. 93, 145-150

Abstract : No abstract.

Card 1/1

VASYUTINA, A. I.

USSR/Furnaces
Ducts

Jul 1947

"Conferences on Duct Furnaces," A. I. Vasyutina, 2 pp

"Ogneupory" No 7

Describes the excellent work accomplished by the Leningrad Branch of VNITO on thermo-technical and construction improvements on a duct furnace built by them in 1940.

14T72

VASYUTINA, L. G.

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 5, pp 57-58 (USSR)

AUTHORS: Vasyutina, L. G., Mikunov, M. F.

TITLE: The Serzhinskiy Granitoidal Massiv (Mass) in Rudnyy Altai (Serzhinskiy massiv granitoidov na Rudnom Altay)

PERIODICAL: Tr. Mosk. geol-razved. in-ta, 1956, Vol 29, pp 84-90.

ABSTRACT: The Serzhinskiy granitoidal mass occurs in the axial part of the Zmeinogorsk-Bystrushinskiy sinklinariy (synclinorium), which occupies an area of approximately 400 km^2. The mass includes three groups of intrusive rocks, each of a different age. A pre-Zmeinogorsk intrusive complex consists of basic rocks (gabbros, gabbro-norites, and gabbro-diorites) that cut formations of Upper Devonian age. The pre-Zmeinogorsk rocks that formed independent intrusive bodies are characterized by an absence of hybridism. Rocks of the Zmeinogorsk intrusive complex are most widely developed in granitoidal rocks of the Serzhinskiy mass and were formed in

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15-57-5-6111

The Serzhinskiy Granitoidal Massiv (Cont.)

two successive stages of intrusion. Rocks of the first phase are characterized by highly variable composition (granodiorites, tonalites, diorites, quartz diorites, granites, and plagioclase granites), variable texture and mineral composition, and a number of other distinctive features, pointing to the hybrid nature of the rocks of this phase, associated with intensive assimilation of the roof rocks. The rocks of the second phase of the Zmeinogorsk intrusive complex consist predominantly of biotite-hornblende and hornblende granites, rarely of plagioclase granites and granodiorites. Intrusions of both phases of the Zmeinogorsk complex are accompanied by related dike rocks (granites, aplites, granite porphyries, diorite porphyries, spessartites, and gabbro-diabases). The sequential intrusion of these rocks was accompanied by a change in their composition from acidic to basic. Granitoidal rocks of the Kalbinskiy intrusive complex were formed also in several successive phases of intrusion with a change in the rock composition from basic to more acidic. The earliest intrusions of the Kalbinskiy complex occur in the central part of the Serzhinskiy mass and are represented by fine-grained granodiorites and hornblende granites. Intrusions of the succeeding phases are composed of light gray biotite-microcline granites, uniform in

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The Serzhinskiy Granitoids [illegible]

composition. They include gently-inclined [illegible] curved bodies, that occur at the contact between [illegible] granitoids rocks of a late phase of the [illegible] and an early phase of the Kalinsk[illegible] and [illegible] under the term Chasinskaya intrusion. [illegible] the third phase [illegible] development of the Kalinin[illegible]skiy [illegible] grained rose-colored [illegible] give the for[illegible] originated [illegible] formation [illegible] deter[illegible] movements.

Card 3/3

S. V. B.

Vasyutina, Zh. D.

USSR/Organic Chemistry - Synthetic Organic Chemistry E-2

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4275

Author : Martynov, V.F., Vasyutina, Zh.D., Nikulina, L.P.

Title : Investigation of Compounds Containing a Three-Membered Oxide Ring. XVI. Study of Interaction of Ammonia with Glycide Acid esters

Orig Pub : Zh. obshch. khimii, 1956, 26, No 5, 1405-1413

Abstract : Study of interaction fo ethyl esters of substituted glycide acids of the type $OCRR'CHCOOC_2H_5$ (I) with NH_3 taking place according to the scheme:

$I + NH_3 \rightarrow OCRR'CHCONH_2$ (II) $\rightarrow RR'C(NH_2)CHCHCONH$ (III);

$III \rightarrow RR'C(NH_2)CHCHCOOH \rightarrow RR'C(NH_2)CHO$ (IV) $+ CO + H_2O$;

wherein a $R = CH_3$, $R' = C_2H_5$; b $RR' = -(CH_2)_4-$; c $RR' = -(CH_2)_5-$; d $R = CH_3$, $R' = C_6H_5$; e $R = R' = C_6H_5$.

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USSR/Organic Chemistry - Synthetic Organic Chemistry E-2

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4275

Reactivity of oxide ring of I decreases with increasing volume of substituents at the beta-carbon atom in the series Ib > Ia > Id > Ic > Ie. In the case of Ia, b, c opening of the oxide ring takes place at the side of the beta-carbon atom. Structure of III is proven by their conversion with H_2SO_4 to IV and HCOOH, however in the case of Id and Ie the IV could not be isolated. Mixture of 20 g Ia and 100 ml 30% aqueous NH_3 heated in sealed ampoule (100°, 6 hours), excess NH_3 and water are driven off in vacuum, residue dissolved in anhydrous alcohol and a current of dry HCl is passed into the solution; after 7 days hydrochloride of IIIa is separated, yield 20%, MP 198-200° (decomposes; from alcohol). To 1 g IIIa added 7 ml concentrated H_2SO_4, heated (160-170°) until evolution of CO ceases, solution poured into ice water, neutralized with alkali, IVa is steam distilled, 2,4-dinitrophenyl hydrazone sulfate MP 215-216°

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USSR/Organic Chemistry - Synthetic Organic Chemistry E-2

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4275

(decomposes). From 40 g Ib and 150 ml 30% aqueous NH_3 (~20°, held for ~12 hours) was obtained IIb (V -- acid), yield 88%, MP 144-145° (from benzene). Analogously IIIa from 10 g Ib and 50 ml 30% aqueous NH_3 (100°, 6 hours) gives hydrochloride of IIIb, yield 42%, MP 217-218° (decomposes; from alcohol), and the ammonium salt of V, yield 8.5%, MP 222-223° (decomposes; from 40-50% alcohol). On reaction with alcoholic NH_3 (saturated at 0°) the yield of the hydrochloride of IIIb is increased to 56%. 2 g of IIIb hydrochloride treated with 13 ml concentrated H_2SO_4 (140-150°), yield of the sulfate of 2,4-dinitrophenylhydrazone of IVb is 29.3%, MP 207-208° (decomposes; from 40-50% alcohol). 16 g Ic and 80 ml 30% aqueous NH_3 (~20°, 3 days) give IIc (VI -- acid), yield 60%, MP 137-138° (from benzene). From 10 g Ic and 50 ml 30% aqueous NH_3 (100°, 6 hours) are obtained 54% ammonium salt of VI, MP 253-254°

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USSR/Organic Chemistry - Synthetic Organic Chemistry E-2

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4275

(decomposes; from 30% alcohol). 10 g Ic are converted by action of 50 ml alcoholic NH_3 (130-140°, 10 hours) followed by treatment with dry HCl (0°, 3 hours) to the hydrochloride of IIIc, yield 44%, MP 233-234° (decomposes; from 50% alcohol). 5 g IIIc hydrochloride heated with 30 ml concentrated H_2SO_4 (160-170°, 1.5 hours), and by steam distillation there is isolated IVc, yield 13%, MP 81-82° (from petroleum ether); 2,4-dinitrophenylhydrazone, MP 137-138° (from 30-40% alcohol). From 10 g Id and 50 ml 30% alcoholic NH_3 (100°, 6 hours) is obtained IId, yield 29%, MP 157-158° (from alcohol); on more prolonged heating (100°, 20 hours) there is formed a 27% yield of IIId, MP 148° (from alcohol); hydrochloride, MP 223-225° (decomposes). Analogously by interaction of 10 g Ie with 50 ml concentrated NH_3 in alcohol (100°, 6 hours) was obtained IIe, MP 126-127° (from alcohol); under more drastic conditions

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USSR/Organic Chemistry - Synthetic Organic Chemistry E-2

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4275

(130°, 16 hours) following treatment with dry HCl, there separates the hydrochloride of IIIe (VII -- amide), yield 38.6%, MP 230-232° (decomposes; from aqueous alcohol); VII, MP 122-123°.

Communication XV see RZhKhim, 1956, 58056.

Card 5/5

Compounds containing a three-membered oxide ring

VASYUTINA, ZH. D.

AUTHORS: Belonovskaya, G. P., Dolgoplosk, B. A., Vasyutina, Zh. D., Kulakova, L. N. 62-1-5/29

TITLE: Redox-Systems for the Starting of Radical Processes (Okislitel'no-vosstanovitel'nyye sistemy dlya initsiirovaniya radikal'nykh protsessov) Report 8: On the Mechanism of Behaviour of a System Containing Ethylene Diamine and Hydroperoxide (Soobshcheniye 8. O mekhanizme deystviya sistemy, soderzhashchey etilendiamin i gidroperekisi).

PERIODICAL: Izvestiya AN SSSR Otdeleniye Khimicheskikh Nauk, 1958, Nr 1, pp 24-34 (USSR)

ABSTRACT: Those oxidation-reduction systems consisting of polyethylene-polyamines, hydrogenperoxides, and salts of iron are very important among the numerous redox systems used at present for the starting of the emulsion process of polymerization. In this paper -as in some former ones- the authors emphasize that this system is effective only in presence of salts of iron, and that their rôle consists of the formation of free radicals. The authors investigate 2 schemes of the function of polyamine systems (references 6,7 and references 6,8). The first presupposes the effect of the concentration of amine and the salts of iron. In the case of the second, however, it

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Redox-Systems for the Starting of Radical Processes. Report 2: On the Mechanism of Behaviour of a System Containing Ethylene Diamine and Hydroperoxide 62-1-5/29

was assumed that the introduction of polymerization is connected with the immediate interaction between amine and hydrogen peroxide in the presence of bivalent iron. The kinetics of the interaction between ethylene diamine and the hydrogen peroxide of isopropylene-benzene was investigated in the aqueous- and hydrocarbon medium in the presence of various quantities of iron salts. Here the lacking of a direct binding between the kinetics of the decomposition of the hydrogen peroxide and the kinetics of polymerization was found. Furthermore it was found that the introduction of the polymerization is not immediately connected with ox.-red. reactions. The entire process occurs only after the complete decomposition of hydrogen peroxide. Finally also the structure of the products produced by the decomposition of hydrogen peroxide was investigated in detail. There are 12 figures, 3 tables, and 18 references, 3 of which are Slavic.

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ASSOCIATION: Institute of High-Molecular Compounds, AS USSR (Institut vysokomolekulyarnykh soyedineniy Akademii nauk SSSR).

SUBMITTED: November 12, 1956

1. Ethylene diamine-Oxidation-reduction reactions
2. Hydroperoxide-Oxidation-reduction reactions 3. Polymerization

AUTHORS: Martynov, V. F., Vasyutina, Zh. D. 79-28-3-7, 61

TITLE: Investigation ~~Within the Field of~~ Compounds With a Three--Membered Oxide Ring (Issledovaniye v oblasti soyedineniy, soderzhashchikh trekhchlennoye okisnoye kol'tso) XXI. The Reaction of the Amido-β-Tetra- and β-Pentamethylene--Glycidic Acids With Hexyl- and Benzylamines (XXI. Vzaimodeystviye amidov β-tetra- i β-pentametilen-glitsidnykh kislot s geksil- i benzilaminami)

PERIODICAL: Zhurnal Obshchey Khimii, 1958, Vol. 28, Nr 3, pp. 601-605 (USSR)

ABSTRACT: In one of the earlier papers (ref.1) the reactions of fatty and aliphatic-aromatic amines with amides of the β-β-dimethyl-glycidic acid were described. This is the continuation of the previous work. The reaction of the amides of β-tetra- and pentamethylene-glycidic acid with hexyl- and benzylamines was realized by heating their alcohol solutions in sealed ampoules at 100 or 120 - 130°. The amide of β-tetramethylene-glycidic acid proved to be most reactive with quite good yields of binding products. The amide of β-pentamethyl-

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Investigation Within the Field of Compounds With a Three-Membered Oxide Ring. 79-28-3-7/61
XXI. The Reaction of the Amido-β-Tetra- and β-Pentamethylene-Glycidic Acids With Hexyl- and Benzylamines

-glycidic acid was less reactive. The result was nil with hexylamine, even at 150°C. Apparently this result is only a consequence of steric hindrances. The attempt to obtain from the amides of oxamic acids benzoyl derivatives was only successful with the binding product of cyclohexylamine and the potassium salt of β-tetramethylene-glycidic acid, where the corresponding N-benzene derivatives were obtained according to Schotten- Bauermann. In order to determine the structure of the binding products the authors used concentrated sulfuric acid. In heating the amide of oxycyclohexylamino-β-tetramethylene-propionic acid with sulfuric acid at 150 - 160°C a turbulent formation of carbon monoxide began which points already at the structure of the obtained product. It was possible to isolate α-cyclohexylamino-α-tetramethylene-acetic acid aldehyde as a 2,4-dinitrophenylhydrazone from the reaction mixture. From this could be concluded that the opening of the oxide ring in the mentioned amide of glycidic acid took place from behalf of the β-carbon atom. Unfortunately this proof of structure, which furnishes good yields of

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Investigation Within the Field of Compounds With a Three- 79-18
-Membered Oxide Ring.
XXI. The Reaction of the Amido-β-Tetra- and β-Pentamethylene-
-Glycidic Acids With Hexyl- and Benzylamines

decomposition products for the binding products of aromatic amines, can not be used for those of aliphatic character because of its small yields. The reaction product of the amide of β-tetramethylene-glycidic acid with benzylamine as free acid was also treated with sulfuric acid, the formation of CO_2 already beginning at 110°. This points to the fact that one α-oxy-β-aminic acid is present. The nature of the second splinter could not be cleared. (See structure formulae of the synthetized products at the end of the theoretical treatise). Thus the amide of the β-tetramethylene-glycidic acid has a greater reactivity than that of β-pentamethylene-glycidic acid. The opening of the oxide ring of the amides of glycidic acid takes place from the α-carbon atom. There are 2 references, 1 of which is Soviet.

ASSOCIATION: Leningradskiy gosudarstvennyy universitet (Leningrad State University)

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5 (3)

AUTHORS: Belonovskaya, G. P., Vasyutina, Zh. D., Dolgoplosk, B. A. SOV/79-29-3-43/61

TITLE: On the Inhibiting Influence of Some Polycyclic Aromatic Compounds Upon the Polymerization Process (Ob ingibiruyushchem vliyanii nekotorykh politsiklicheskikh aromaticheskikh soyedineniy na protsesse polimerizatsii)

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 3, pp 955-958 (USSR)

ABSTRACT: The capability of polycyclic hydrocarbons to react with free radicals has been investigated in many papers (Refs 1-7). The present report describes data concerning the capability of some polycyclic compounds to react with the radical CH_3 . , which forms on the thermal decay of methylphenyltriazine, as well as the influence exerted by the same compounds upon the thermal polymerization process of styrene at 100°. Methylphenyltriazine was used as a source of the free methyl radicals. It decays thermally according to the scheme $C_6H_5-N=N-NHCH_3 \longrightarrow C_6H_5NH. + N_2 + CH_3.$ The methyl radical cleaves off the hydrogen from the solvent and forms methane, the yield of which, in the case of the saturated hydrocarbons,

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amounts to 55-60 % (calculated on the theoretical yield), (Ref 8). In the case of the cleavage of methylphenyltriazine in the presence of quinones and various aromatic compounds, their methylation occurs through the radical, which fact causes a corresponding diminution of methane. In this case, the following concurring reactions take place:

$$CH_3^{\cdot} \xrightarrow[AH]{\text{solvent}} CH_4 + A^{\cdot}$$

$$CH_3^{\cdot} \xrightarrow[J]{\text{inhibitor}} CH_3.J^{\cdot} \text{ (weakly active radical).}$$

With one and the same solvent the amount of methane is capable of characterizing the activity of one or the other compound in relation to the methyl radical. The decay of methylphenyltriazine took place at 110° in the solution of a dry, purified gasoline, which was distilled over in the range of 90-110°. The data obtained are shown in the table. They thus characterize the relative activity of various polycyclic aromatic hydrocarbons to the methyl radical. Among the hydrocarbons investigated, dibenzpyrene proved to be the most efficient

On the Inhibiting Influence of Some Polycyclic Aromatic Compounds Upon the Polymerization Process SOV/79-29-3-43/61

inhibitor in the thermal polymerization process of styrene. There are 1 figure, 1 table, and 9 references, 2 of which are Soviet.

ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy Akademii nauk SSSR (Institute of High-molecular Compounds of the Academy of Sciences, USSR)

SUBMITTED: January 16, 1958

Card 3/3

ROKHVARGER, Ye.L., kand.tekhn.nauk; VASYUTINSKAYA, A.A., inzh.

Ceramic radiators. Stroi.mat. 5 no.7:23-25 Jl '59.
(MIRA 12:10)

(Radiators)

REMPEL', A.M.; SUKHOV, P.V.; KOPEYKIN, A.A., glavnyy red.; ROKHVARGER, Ye.L., zamestitel' glavnogo red.; VASYUTINSKAYA, A.A., red.; GARTSMAN, B.M., red.; ZAYONTS, R.M., red.; LUNDINA, M.G., red.; NOSOVA, Z.A., red.; PETROV, N.A., red.; RIVKIN, A.M., red.; ROMANOV, P.R., red.; SOKOLOV, P.V., red.; FEYN, Yu.E., red.; KOSYAKINA, Z.K., red.; KASIMOV, D.Ya., tekhn.red.

[Research on clay materials] Issledovanie glinistogo syr'ia. Moskva, Gosstroiizdat, 1963. 119 p. (Kuchino. Gosudarstvennyi nauchno-issledovatel'skii institut stroitel'noi keramiki. Trudy, no.22). (MIRA 17:3)

VASYUTINSKAYA, A.A.

USSR/Chemical Technology. Chemical Products and their Application. Glass. Ceramics. Building Materials. J-12

Abs Jour: Referat Zh.-Kh., No 8, 1957, 27708

Author : A.A. Vasyutinskaya.
Inst :
Title : State of Sagger Production at Enterprises of Construction Ceramics.

Orig Pub: vSb: Kapseli i karkasnyye ogneupornyye detali, primenyayemyye v keram. prom-sti. M., Promstroyizdat, 1956, 4-6.

Abstract: The process of sagger production at factories of construction ceramics is described. The stagger pastes consist of (in % by weight): kaolin - 10 to 15, Latnenskaya clay - 20 to 25, plastic clay - 10 to 15, chamotte - 50. The size of chamotte grains is $\leq$ 5 mm; the content of grains $<$ 5 mm is 5 to 20 at the factories of construction faience; and about 40% at the tile factories. The turn-over of saggers is 2.5 to 5 times at the

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USSR/Chemical Technology. Chemical Products and their Application. Glass. Ceramics. Building Materials. J-12

Abs Jour: Referat Zh.-Kh., No 8, 1957, 27708

factories of construction faience and 4 to 6 times at the tile factories. A series of measures to raise the qualities of saggers is indicated.

Card : 2/2

VASYUTINSKAYA, A.V. [Vasiutynska, A.V.]; BAZINOVSKIY, Ya.A. [Bazynovs'kyi, IA.A.]

Group method for the mounting of warping machines. Tek. prom. no.3:77 Jl-S '65. (MIRA 18:9)

VASYUTINSKAYA, A.V. [Vasiutyns'ka, A.V.]; NEVEROVSKAYA, V.G. [Neverovs'ka, V.G.]; NOYF, M.M.

Proposals of the efficiency promoters of the Knit Goods Factory No.1 in Chernovtsy. Leh. prom. no.3:71 Jl-S '65. (MIRA 18:9)

VASYUTINSKIY, N.A. (Kerch'); VASYUTINSKAYA, L.I. (Kerch')

Arsenic adsorption by coal during the reduction of Kerch iron ores. Izv. AN SSSR. Otd. tekh. nauk. Met. i topl. no.2:22-26 Mr-Ap '62. (MIRA 15:4)

(Iron--Metallurgy) (Adsorption)